west virginia department of environmental protection

Division of Air Quality
601 57th Street SE
Charleston, WV 25304
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Jim Justice, Governor
Austin Caperton, Cabinet Secretary
www.dep.wv.gov

April 12, 2017

John McNew, Authorized Agent
Pocahontas Coal Company, LLC
109 Appalachian Drive
Beckley, WV 25801

Re: Application Status: Approved
Pocahontas Coal Company, LLC
East Gulf Preparation Plant
Registration Application G10-D166
Plant ID No. 081-00012

Dear Mr. McNew:

Your application for a General Permit G10-D registration to modify a wet wash coal preparation plant as required by Section 5 of 45CSR13 - "Permits for Construction, Modification, Relocation and Operation of Stationary Sources of Air Pollutants, Notification Requirements, Temporary Permit, General Permit, and Procedures for Evaluation" has been approved. The enclosed registration G10-D166 is hereby issued pursuant to Subsection 5.7 of 45CSR13. Please be aware of the notification requirements in the permit which pertain to commencement of construction, modification, or relocation activities; startup of operations; and suspension of operations.

A copy of the complete General Permit G10-D may be obtained from the DAQ's website at the following address: http://www.dep.wv.gov/daq/permitting/Pages/airgeneralpermit.aspx.

This permit does not affect 45CSR30 applicability. The source is a nonmajor source subject to 45CSR30.

In accordance with 45CSR30 – Operating Permit Program, the permittee shall submit a Certified Emissions Statement (CES) and pay fees on an annual basis in accordance with the submittal requirements of the Division of Air Quality. A receipt for the appropriate fee shall be maintained on the premises for which the receipt has been issued, and shall be made immediately available for inspection by the Secretary or his/her duly authorized representative.

Any person whose interest may be affected, including, but not necessarily limited to, the applicant and any person who participated in the public comment process, by a permit issued,

modified or denied by the Secretary may appeal such action of the Secretary to the Air Quality Board pursuant to article one [§§22B-1-1 et seq.], Chapter 22B of the Code of West Virginia. West Virginia Code §§22-5-14.

Should you have any questions, please contact me at (304) 926-0499, ext. 1210.

Sincerely,

Daniel P. Roberts, Engineer Trainee
NSR Permitting Section

Enclosures

c: John McNew, jmcnew@unitedcoal.com
Donna Toler, donnatoler@suddenlink.net

West Virginia Department of Environmental Protection
Division of Air Quality

Jim Justice
Governor

Austin Caperton
Cabinet Secretary

Class II General Permit
G10-D Registration to Modify

for the
Prevention and Control of Air Pollution in regard to the
Construction, Modification, Relocation,
Administrative Update and Operation of
Coal Preparation Plants and Coal Handling Operations

The permittee identified at the facility listed below is authorized to construct the stationary sources of air pollutants identified herein in accordance with all terms and conditions of General Permit G10-D.

G10-D166

Issued to:
Pocahontas Coal Company, LLC
East Gulf Preparation Plant
081-00012

William F. Durham
Director

Issued: April 12, 2017

This Class II General Permit Registration will supercede and replace permit R13-2484C approved on December 30, 2014.

Facility Location:	Rhodell, Raleigh County, West Virginia
Mailing Address:	109 Appalachian Drive, Beckley, WV 25801
Facility Description:	Wet Wash Coal Preparation Plant
SIC Codes:	1221 (Bituminous Coal & Lignite - Surface)
NAICS Codes:	212111 (Bituminous Coal and Lignite Surface Mining)
UTM Coordinates:	Easting: 474.81163 km • Northing: 4164.408.19 km • NAD83 Zone 17N
Lat/Lon Coordinates:	Latitude: 37.611609 • Longitude: -81.307556 • NAD83
Registration Type:	Modification
Description of Change:	After-the-Fact modification to do the following: convert from a Rule 13 individual permit to a General Permit G10-D registration; equipment identifications, controls, transfer points and material flow have been modified and renumbered; remove and delete RCC5 through RCC10, CC1 through CC3, CC1A, CC6, CB1 and RB1, which were previously permitted, but never constructed; add OS-01, SS-01, CR-01, CR-02, BC-07, BC-08, BC-10, BS-04, BS-05 and BS-06,which are existing but have never been in the equipment table or permit before; modify SS-02, BS-03, BC-03 through BC-06, OS-02, BC-09 and BC-11 through BC-16 by increasing the maximum hourly and annual throughput rates.

Subject to 40CFR60 Subpart Y? Yes
Subject to 40CFR60 Subpart IIII? No
Subject to 40CFR60 Subpart JJJJ? No

Any person whose interest may be affected, including, but not necessarily limited to, the applicant and any person who participated in the public comment process, by a permit or registration issued, modified or denied by the Secretary may appeal such action of the Secretary to the Air Quality Board pursuant to article one [§§ 22B-1-1 et seq.], Chapter 22B of the Code of West Virginia. West Virginia Code §22-5-14.

This permit does not affect 45CSR30 applicability. The source is a nonmajor source subject to 45CSR30.

All registered facilities under Class II General Permit G10-D are subject to Sections 1.0, 1.1, 2.0, 3.0 and 4.0.

The following sections of Class II General Permit G10-D apply to the registrant:

Section 5	Coal Preparation and Processing Plants and Coal Handling Operations	☐✓
Section 6	Standards of Performance for Coal Preparation and Processing Plants that Commenced Construction, Reconstruction or Modification after October 27, 1974, and on or before April 27, 2008 (40CFR60 Subpart Y)	☐✓
Section 7	Standards of Performance for Coal Preparation and Processing Plants that Commenced Construction, Reconstruction or Modification after April 28, 2008, and on or before May 27, 2009 (40CFR60 Subpart Y)	☐
Section 8	Standards of Performance for Coal Preparation and Processing Plants that Commenced Construction, Reconstruction or Modification after May 27, 2009 (40CFR60 Subpart Y)	☐✓
Section 9	Reciprocating Internal Combustion Engines (R.I.C.E.)	☐
Section 10	Tanks	☐
Section 11	Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (40CFR60 Subpart IIII)	☐
Section 12	Standards of Performance for Stationary Spark Ignition Internal Combustion Engines (40CFR60 Subpart JJJJ)	☐

Emission Units

Equipment ID No.	Date of Construction, Reconstruction or Modification [1]	G10-D Applicable Sections [2]	Emission Unit Description	Maximum Permitted Throughput		Control Device [3]	Associated Transfer Points		
				TPH	TPY		Location: B -Before A -After	ID No.	Control Device [3]
Trucked Raw Coal Circuits									
OS-01	C 2016	5 and 8	Raw Coal Stockpile - maximum 50,000 tons capacity, 88,869 ft² base area and 75' height - receives clean coal from trucks, stores it and then it is reclaimed by a front endloader to BS-01	600	5,256,000	WS	B A	TP-01 TP-02	UL-MDH UD-PW
BS-01	M 2010 C 1978	5 and 8	Front-end Loader Dump Bin - 200 tons capacity - receives raw coal from OS-01 via front-end loaders and feeds it onto SS-01	600	5,256,000	PW	B A	TP-02 TP-03	UD-PW TC-FW
SS-01	C 1978	5 and 6	Vibrating Screen - receives raw coal from BS-01, sizes it to 4"x0 and drops the sized raw coal onto BC-01 and the oversized raw coal into CR-01	600	5,256,000	FW	B A A	TP-03 TP-04 TP-05	TC-FW TC-FW TC-FW
CR-01	C 1978	5 and 6	Breaker - receives oversized raw coal from SS-01, crushes it to 4"x0 and drops the crushed raw coal onto BC-01	600	5,256,000	FW	B A	TP-05 TP-06	TC-FW TC-FW
BC-01	C 1978	5 and 6	Belt Conveyor - receives screened raw coal from SS-01 and crushed raw coal from CR-01 and transfers it onto SS-02 (see below) inside the wet wash prep plant building	600	5,256,000	PE	B B A	TP-04 TP-06 TP-07	TC-FW TC-FW TC-FW
BS-02	C 2011	5 and 8	Truck Dump Bin - 100 tons capacity - receives raw coal from trucks and feeds it into CR-02	600	5,256,000	PW	B A	TP-08 TP-09	UD-PW TC-FW
CR-02	C 2011	5 and 8	Breaker - receives raw coal from BS-02, crushes it to 4"x0 and drops the crushed raw coal onto BC-02	600	5,256,000	FW	B A	TP-09 TP-10	TC-FW TC-FW
BC-02	C 2011	5 and 8	Belt Conveyor - receives crushed raw coal from CR-02 and transfers it into CR-03	600	5,256,000	PE	B A	TP-10 TP-11	TC-FW TC-FW

Equip-ment ID No.	Date of Construction, Reconstruction or Modification [1]	G10-D Applicable Sections [2]	Emission Unit Description	Maximum Permitted Throughput		Control Device [3]	Associated Transfer Points		
				TPH	TPY		Location: B -Before A -After	ID No.	Control Device [3]
CR-03	C 2011	5 and 8	Double Roll Crusher - receives crushed 4"x0 raw coal from BC-02, crushes it to +2" and drops the crushed raw coal onto BC-03	600	5,256,000	FW	B A	TP-11 TP-12	TC-FW TC-FW
BC-03	M 2016 C 2011	5 and 8	Belt Conveyor - receives crushed raw coal from CR-03 and transfers it onto SS-02 inside the wet wash prep plant building	600	5,256,000	FE	B A	TP-12 TP-13	TC-FW TC-FW
SS-02	M 2016 C 1978	5 and 8	Double Deck Screen - receives raw coal from BC-01 and BC-03, sizes it to +4"x0 and oversize material drops onto BC-11 (see Refuse Circuit below) while the screened raw coal drops onto BC-04	1,200	10,512,000	FW	B B A A	TP-07 TP-13 TP-14 TP-15	TC-FW TC-FW TC-FW TC-FW
BC-04	M 2016 C 1978	5 and 8	Belt Conveyor - receives screened raw coal from SS-02 and transfers it into BS-03	1,200	10,512,000	FE	B A	TP-15 TP-16	TC-FW TC-FE
BS-03	M 2016 C 1978	5 and 8	Raw Coal Silo - 5,500 tons capacity - receives screened raw coal from BC-04, stores it and then feeders reclaim it onto BC-05	1,200	10,512,000	FE	B A	TP-16 TP-17	TC-FE TC-FE
BC-05	M 2016 C 1978	5 and 8	Belt Conveyor - receives screened raw coal from BS-03 and transfers it into the wet wash circuit inside the preparation plant	1,200	10,512,000	FE	B A	TP-17 TP-18	TC-FE TC-FW
Clean Coal Circuit									
BC-06	M 2016 C 1986	5 and 8	Belt Conveyor - receives clean coal from the wet wash circuit and transfers it onto BC-07 or via a flop gate onto BC-08	800	7,008,000	PE	B A A	TP-19 TP-20 TP-22	TC-FW TC-FE TC-FE
BC-08	M 2016 C 1986	5 and 8	Belt Conveyor - receives clean coal from BC-06 and transfers it directly over onto BC-09 (see below)	800	7,008,000	PE	B A	TP-22 TP-23	TC-FE TC-FE
BC-07	M 2016 C 1986	5 and 8	Belt Conveyor - receives clean coal from BC-06 and transfers it onto OS-02	800	7,008,000	PE	B A	TP-20 TP-21	TC-FE TC-MDH
OS-02	M 2016 M 2003 or 2007 C 1986	5 and 8	Clean Coal Stockpile - maximum 150,000 tons capacity, 288,869 ft^2 base area and 75' height - receives clean coal from BC-07, stores it and then it is reclaimed by underground feeders onto BC-09	800 in 3,500 out	7,008,000	WS	B A	TP-21 TP-24	TC-MDH LO-UC
BC-09	M 2016 C 1986	5 and 8	Belt Conveyor - receives clean coal from BC-08 and OS-02 and transfers it into the prep plant building and onto BC-10	3,500	7,008,000	PE	B B A	TP-23 TP-24 TP-25	TC-FE LO-UC TC-FE
Railcar Loadout Circuit									
BC-10	C 2010	5 and 8	Belt Conveyor - receives clean coal from BC-09 and transfers it into BS-04	3,500	7,008,000	FE	B A	TP-25 TP-26	TC-FE TC-FE
BS-04	C 2010	5 and 8	Surge Bin - 400 tons capacity - receives clean coal from BC-10 and feeds it into BS-05	3,500	7,008,000	FE	B A	TP-26 TP-27	TC-FE TC-FE
BS-05	C 2010	5 and 8	Weigh Bin - 220 tons capacity - receives clean coal from BS-04 and loads it into railcars through a telescopic chute	3,500	7,008,000	FE	B A	TP-27 TP-28	TC-FE LR-TC
Refuse Circuit									
BC-11	M 2016 C 1986	5 and 8	Belt Conveyor - receives oversize material from SS-02 and refuse from the wet wash circuit and transfers it to BC-12	600	5,256,000	PE	B B A	TP-14 TP-29 TP-30	TC-FW TC-FW TC-FE
BC-12	M 2016 C 1986	5 and 8	Belt Conveyor - receives refuse from BC-11 and transfers it to BC-13	600	5,256,000	PE	B A	TP-30 TP-31	TC-FE TC-FE
BC-13	M 2016 C 1986	5 and 8	Belt Conveyor - receives refuse from BC-12 and transfers it to BC-14	600	5,256,000	PE	B A	TP-31 TP-32	TC-FE TC-FE
BC-14	M 2016 C 1986	5 and 8	Belt Conveyor - receives refuse from BC-13 and transfers it to BC-15	600	5,256,000	PE	B A	TP-32 TP-33	TC-FE TC-FE
BC-15	M 2016 C 2001	5 and 8	Belt Conveyor - receives refuse from BC-14 and transfers it to BC-16	600	5,256,000	PE	B A	TP-33 TP-34	TC-FE TC-FE
BC-16	M 2016 C 2001	5 and 8	Belt Conveyor - receives refuse from BC-15 and transfers it to BS-06	600	5,256,000	PE	B A	TP-34 TP-35	TC-FE TC-FE
BS-06	M 2016	5 and 8	Refuse Truck Loadout Bin - 400 tons capacity - receives refuse from BC-16, stores it and then loads it into trucks for transport to the refuse disposal area	600	5,256,000	FE	B A A	TP-35 TP-36 TP-37	TC-FE LO-MDH UL-MDH

[1] In accordance with 40 CFR 60 Subpart Y, coal processing and conveying equipment, coal storage systems, and coal transfer and loading systems constructed, reconstructed, or modified on or before April 28, 2008 shall not discharge gases which exhibit 20 percent opacity or greater. Coal processing and conveying equipment, coal storage systems, and coal transfer and loading systems constructed, reconstructed, or modified after April 28, 2008 shall not discharge gases which exhibit 10 percent opacity or greater. For open storage piles constructed, reconstructed, or modified after May 27, 2009, the permittee shall prepare and operate in accordance with a fugitive coal dust emissions control plan that is appropriate for site conditions.

[2] All registered affected facilities under Class II General Permit G10-D are subject to Sections 1.0, 1.1, 2.0, 3.0 and 4.0.

[3] Control Device Abbreviations: FE - Full Enclosure; FW - Full Enclosure with Water Sprays; PE - Partial Enclosure; PW - Partial Enclosure with Water Sprays; WS - Water Sprays; TC - Telescopic Chute; MDH - Minimize Drop Height; and N - No Control.

Emission Limitations

- Facility-wide Emissions - **Pocahontas Coal Company, LLC East Gulf Preparation Plant**	**Maximum Controlled PM Emissions**		**Maximum Controlled PM_{10} Emissions**	
	lb/hour	TPY	lb/hour	TPY
Fugitive Emissions				
Open Storage Pile Emissions	0.42	1.84	0.20	0.86
Unpaved Haulroad Emissions	103.50	455.02	29.91	131.50
Paved Haulroad Emissions	0.00	0.00	0.00	0.00
Fugitive Emissions Total	*103.92*	*456.85*	*30.11*	*132.37*
Point Source Emissions				
Equipment Emissions	24.00	105.12	11.28	49.41
Transfer Point Emissions	5.95	18.17	2.81	8.59
Point Source Emissions Total (PTE)	*29.95*	*123.29*	*14.09*	*58.00*
FACILITY EMISSIONS TOTAL	**133.87**	**580.14**	**44.20**	**190.36**

Storage Tanks - *Not Applicable*

Source ID No.	Status	Content	Design Capacity			Orientation	G10-D Applicable Sections
			Volume	Diameter	Throughput		

Engines - *Not Applicable*

Source ID	Emission Source	Pollutant	Maximum Hourly Emissions (lb/hr)	Maximum Annual Emissions (tpy)
		Nitrogen Oxides		
		Carbon Monoxide		
		Volatile Organic Compounds		
		Particulate Matter (<10 microns)		
		Sulfur Dioxide		
		Formaldehyde		

Control Devices - *Not Applicable*

Control Device ID No.	Source ID No.	Date Constructed, Reconstructed, or Modified	Emission Unit Description (Make, Model, Serial No., etc.)

Reciprocating Internal Combustion Engines - *Not Applicable*

Emission Unit ID No.	Emission Unit Description (Make, Model, Serial No., etc.)	Year Installed	Design Capacity (Bhp/rpm)

Reciprocating Internal Combustion Engines (R.I.C.E.) Information - *Not Applicable*

Emission Unit ID No.	Subject to 40CFR60 Subpart IIII?	Subject to 40CFR60 Subpart JJJJ?	Subject to Sections 9.1.4/9.2.1 (Catalytic Reduction Device)